## **ABSTRACT**

Hematology control compositions and systems used to measure a plurality of parameters in a blood sample are provided. The hematology control compositions are particularly useful as a control for multi-parameter, automated instrument systems. The control compositions comprise a reticulocyte component, a white blood cell component, a red blood cell component, a nucleated red blood cell component, a platelet component and a reticulated platelet component. Methods of making and using the control compositions are also provided.

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